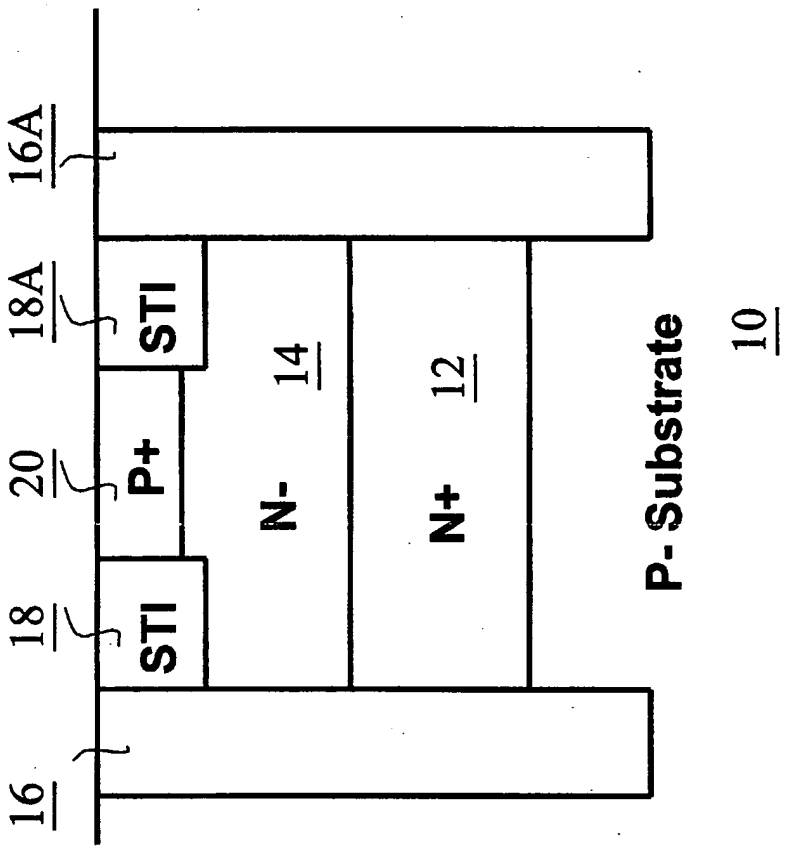


Figure 1

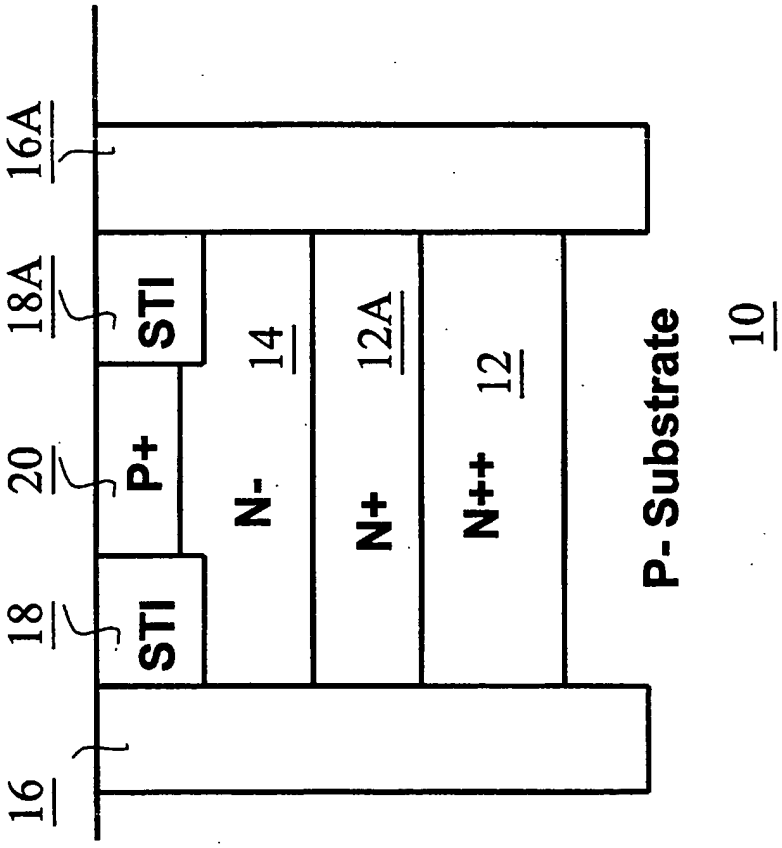
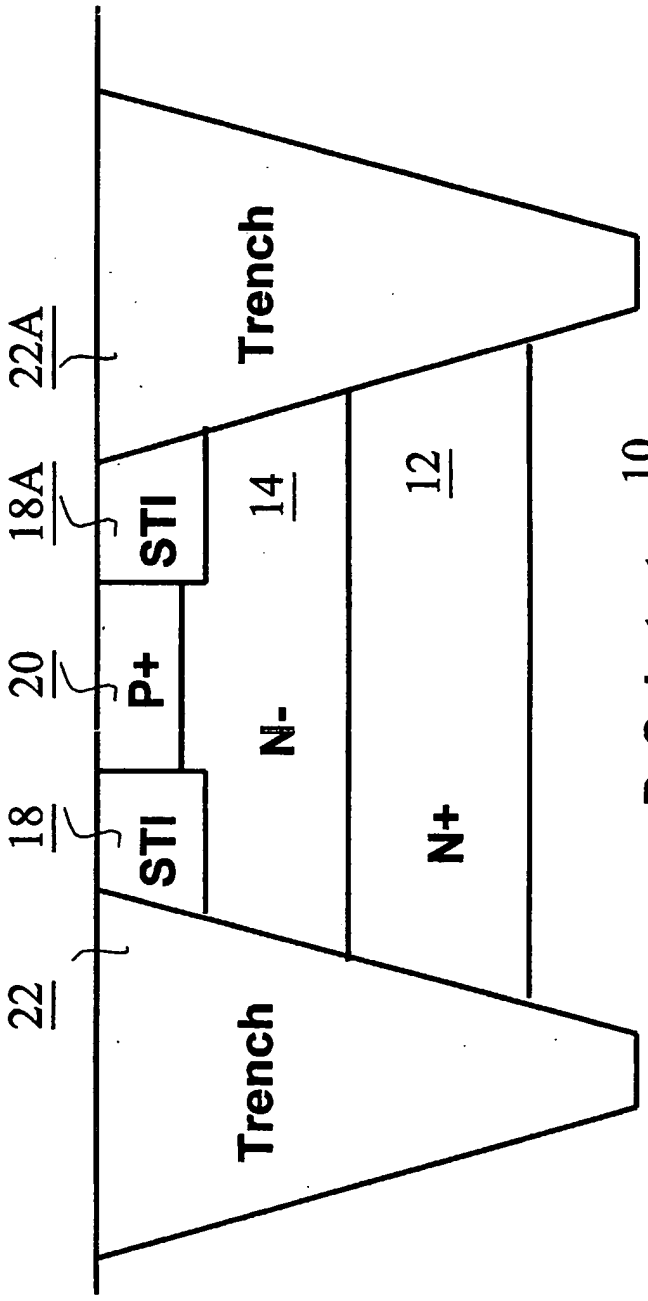


Figure 2



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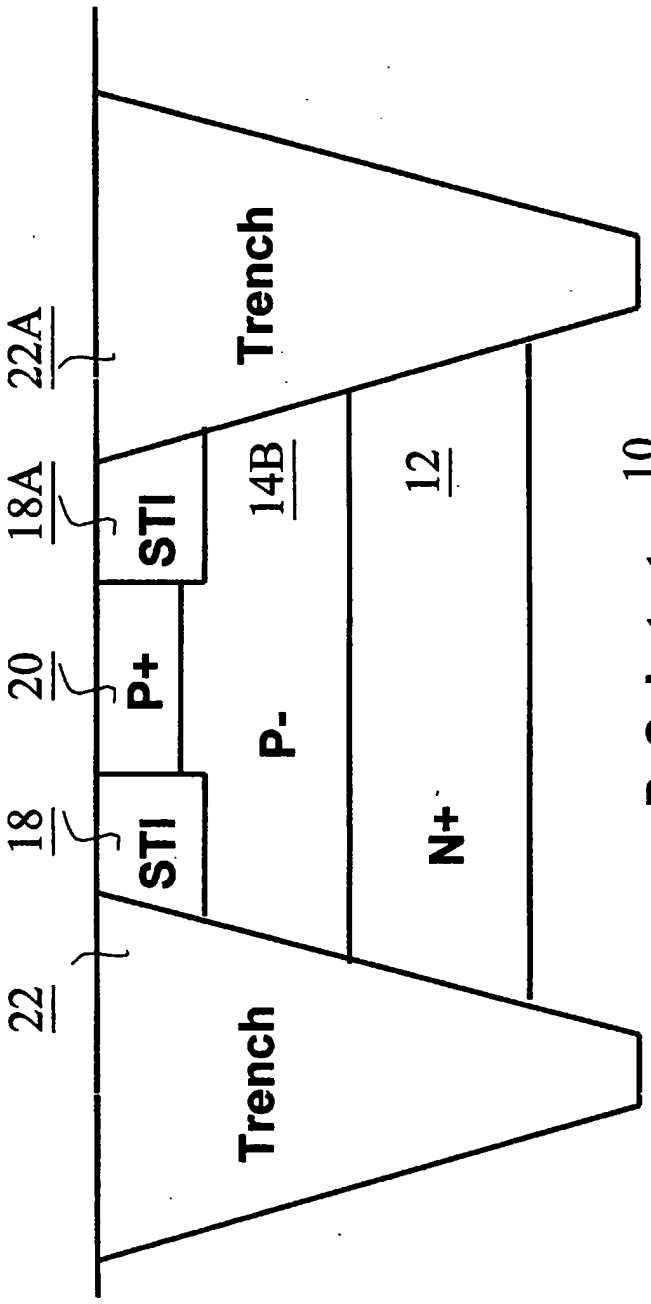
22A
Trench
18A
STI
20
P+
18
STI
22
Trench
14B
P-
12
N+
10
P- Substrate

Figure 4

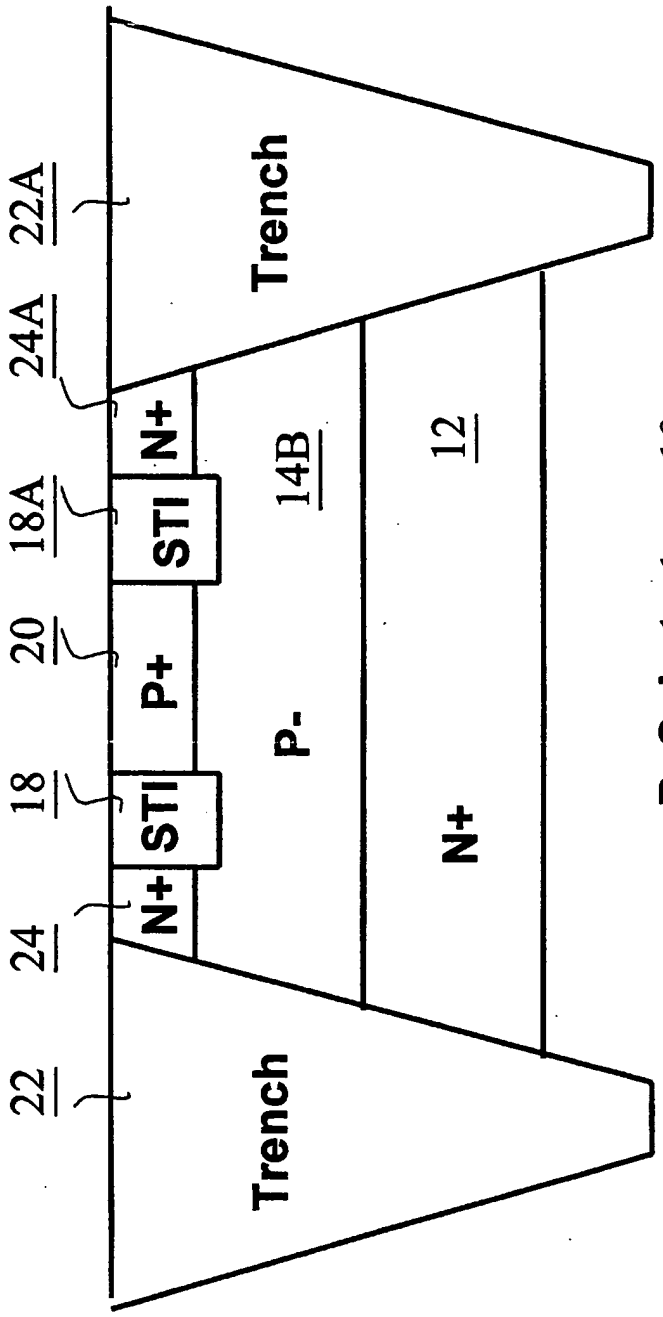
22A
24A
18A
20
18
24
22
Trench
N+
STI
P+
STI
N+
Trench
P-
14B
N+
12
P- Substrate
10

Figure 5

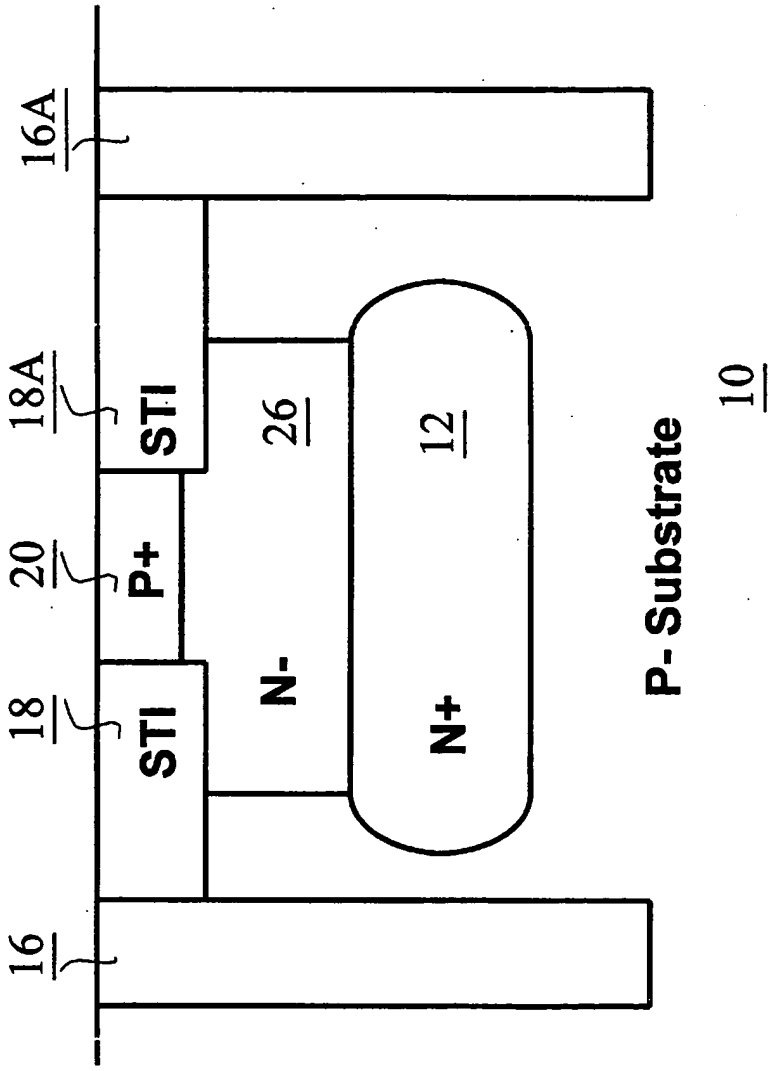

Figure 6

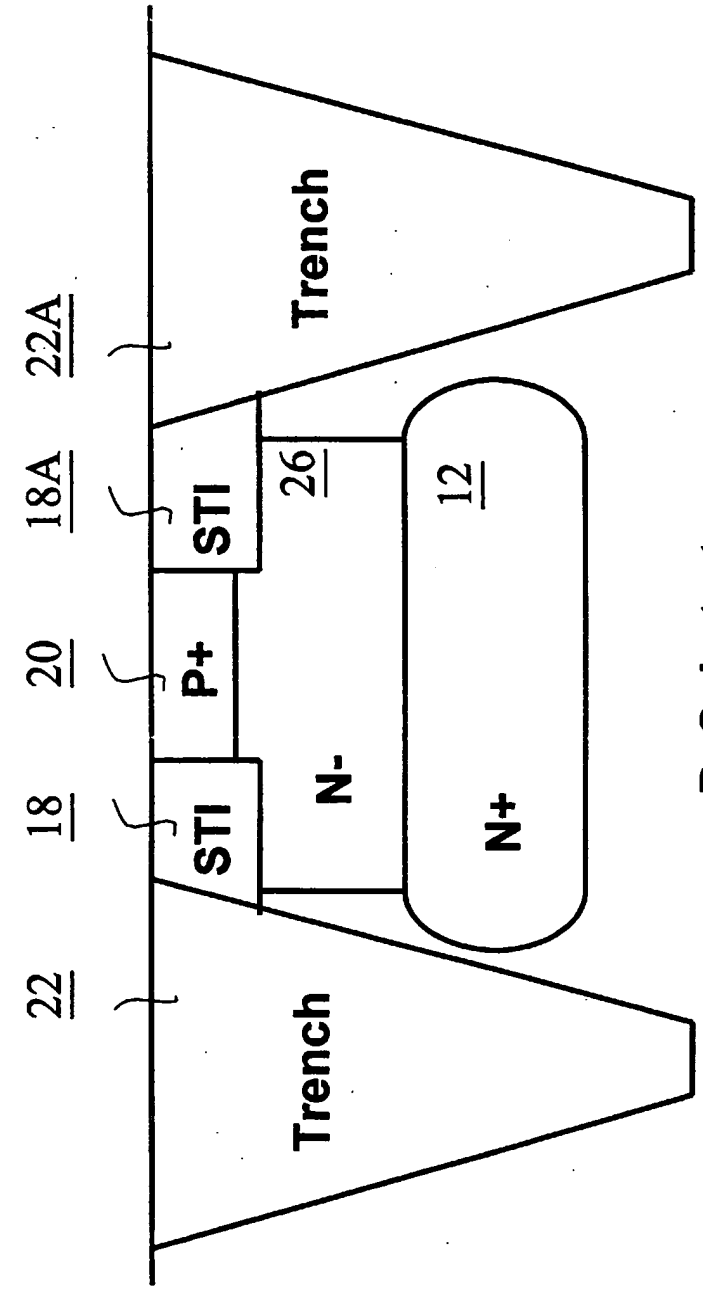

Figure 7